

Title (en)

Device as part of a weaver machine for measuring warp tension.

Title (de)

Vorrichtung an einer Webmaschine, zur Messung der Kettspannung.

Title (fr)

Dispositif de machine à tisser, pour la mesure de la tension de chaîne.

Publication

EP 0385061 B1 19940302 (DE)

Application

EP 90100266 A 19900108

Priority

DE 3905881 A 19890225

Abstract (en)

[origin: EP0385061A2] What is described is a device for measuring the warp tension on looms, a measuring device being subjected to pressure or force according to the tension of the warped yarns. <??>The basic object here is to measure the warped tension with very high accuracy, independently of temperature influences, in order particularly to prevent damage to the warp yarns. <??>For this purpose, the measuring device is arranged only in the region of the finished fabric after the tying point of the fabric, the fabric tension proportional to the warp tension being measured by reed deflection. <??>The measuring device itself consists of an approximately cylindrical tube with a measuring bar embedded in it, strain gauges determining the pressure which is exerted by the fabric and which, in these regions, is directly proportional to the tension of the warp yarns.

IPC 1-7

G01L 5/04; G01L 5/10; D03D 49/04; D03D 49/12

IPC 8 full level

B65H 59/40 (2006.01); **D03D 49/04** (2006.01); **D03D 49/12** (2006.01); **G01L 5/04** (2006.01); **G01L 5/10** (2006.01)

CPC (source: EP US)

D03D 49/04 (2013.01 - EP US); **D03D 49/12** (2013.01 - EP US); **G01L 5/04** (2013.01 - EP US); **G01L 5/10** (2013.01 - EP US); **G01L 5/108** (2013.01 - EP US)

Cited by

DE29612041U1; CZ303018B6; EP0717135A3; US5649569A; EP0717135A2

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0385061 A2 19900905; **EP 0385061 A3 19910417**; **EP 0385061 B1 19940302**; **EP 0385061 B2 19970305**; DE 3905881 A1 19900906; DE 3905881 C2 19990819; DE 59004714 D1 19940407; JP H02242951 A 19900927; JP H054456 B2 19930120; US 5025837 A 19910625

DOCDB simple family (application)

EP 90100266 A 19900108; DE 3905881 A 19890225; DE 59004714 T 19900108; JP 4087290 A 19900221; US 48504090 A 19900226